v1.00

tablet

FERGUSON

regent TV8

User manual

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Downloadable software

Ferguson has taken every effort to provide users with software updates in order to ensure that the parameters of the tablet are up to date. Ferguson reserves itself the right to amend, change or modify the software used in the tablet as it shall choose and without prior notification. The latest version of the software is available on the website http://www.ferguson-digital.eu

GNU/GPL licensing information

Please consult the legal information available on your tablet under Settings > About tablet > Legal information (internet connection required) or visit http://source.android.com/source/licenses.html for more information.

User manual

Ferguson has made every effort to provide the most current information about its products. Ferguson does not grant any guarantee as to the contents of the present instruction manual and disclaims any implied guarantees concerning market value or suitability for specific purposes. The information contained herein is an instruction intended to enable the correct usage and maintenance of the tablet.

Ferguson reserves itself the right to introduce amendments, changes or translations of the instruction manual without prior notification thereof. For this reason, we recommend you regularly visit our website http://www.ferguson-digital.eu in order to obtain the latest information.

Markings and signs

Digital signal transmission logo.
This logo informs that the receiver conforms to the Digital Video Broadcasting standards.

Risk of electric shock - do not open.
This notice warns the user not to open the receiver housing. The housing may be opened solely by authorized service technicians.

When this crossed-out wheeled bin symbol is attached to a product it means that the product is covered by the European Directive 2002/96/EC. Please inform yourself about the local separate collection system for electrical and electronic products.

Please act according to your local rules and do not dispose of your old products with your normal household waste. Correct disposal of your old product helps to prevent potential negative consequences for the environment and human health.

Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed with normal household waste. Please inform yourself about the local rules on separate collection of batteries because correct disposal helps to prevent negative consequences for the environmental and human health.

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.

CE logo.
The logo informs that the receiver conforms to the terms and conditions of Directive 2004/108/EC concerning observance by Member States of provisions regulating electromagnetic compatibility, and to the terms and conditions of Directives 2006/95/EC concerning observance by Member States of provisions regulating low voltage electricity and safety with relation to the handling and operation of electrical equipment.

R&TTE Hereby Ferguson Sp. z o.o., declares that the device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. You can find the Declaration of Conformity on www.deklaracje.ferguson.pl

This product has been designed, tested and manufactured according the European R&TTE directive 1999/5/EC.

CE 1622 !

AT	BE	BG	CH	CY
CZ	DE	DK	EE	ES
FI	FR	GR	HU	IE
IS	IT	LI	LT	LU
LV	MT	NL	NO	PL
PT	RO	SE	SK	SI
UK				

This product supports Wireless LAN.

Double insulation logo.
This logo informs that the receiver is an electrically safe device, provided that it is used in accordance with the recommendations set forward in the chapter concerning safety.

Hot surface mark
CAUTION: HOT SURFACE. DO NOT TOUCH. The top surface over the internal heat sink may become hot when operating this product continuously. Do not touch hot areas, especially around the "Hot surface mark" and the top panel.

When this logo is attached to a product, it means a financial contribution has been paid to the associated national recovery and recycling system.

Basic information about the tablet

1. Prior to first use

Thank you for purchasing Ferguson tablet. To ensure you a quick and convenient use of your new tablet, please read these instructions carefully prior to use. We hope you will absolutely enjoy your Ferguson tablet for the longest time possible!

- Do not try to disassemble the tablet, as this will void your warranty and may result in malfunctioning of the device.
- Avoid using the tablet in a high or low temperature environment, or in any environment where the device can get in contact with moisture, dust or magnetic fields. The device should be placed away from vases, bottles, aquariums and other water containers in order to avoid damage.
- Do not expose the tablet to strong sunlight for an extended period of time
- Avoid beating of or to the product
- Do not place any objects on the housing of the device. This may cause screen damage.
- Don't operate the touch screen of the tablet with sharp objects, as this may result in scratching the screen surface.
- To clean tablet do not use alcohol or liquids containing ammonia or any sort of (glass) cleaning aid. If necessary, clean with a soft, lint-free, cotton cloth dampened with water.
- Using connected headphones on the tablet for too long and/or setting the audio volume up too high when using headphones may cause serious hearing damage.
- Do not cross the road, drive a motor vehicle or bicycle while using the tablet with headphones to avoid traffic accidents.
- Only use permitted batteries, chargers and accessories with your tablet. The use of any other products with the tablet can be dangerous and may violate the warranty regulations
- Do not operate the tablet while driving.

You may go ahead and use your Ferguson tablet right out of the box, without charging the battery first. If the tablet isn't switching on right out of the box, the battery is already completely drained and you should of course recharge it first. It is best for the battery to first run on the charge left in it, and to be fully recharged once it's completely drained for the first time.

2. Contents of box

Unpack the box and check whether all of the following elements are present

- Tablet Ferguson
- User manual
- AC adapter (wall charger)
- USB cable to connect to computer
- USB OTG cable to connect external devices (3G modem, USB storage)

3. Tablet parts and connectors

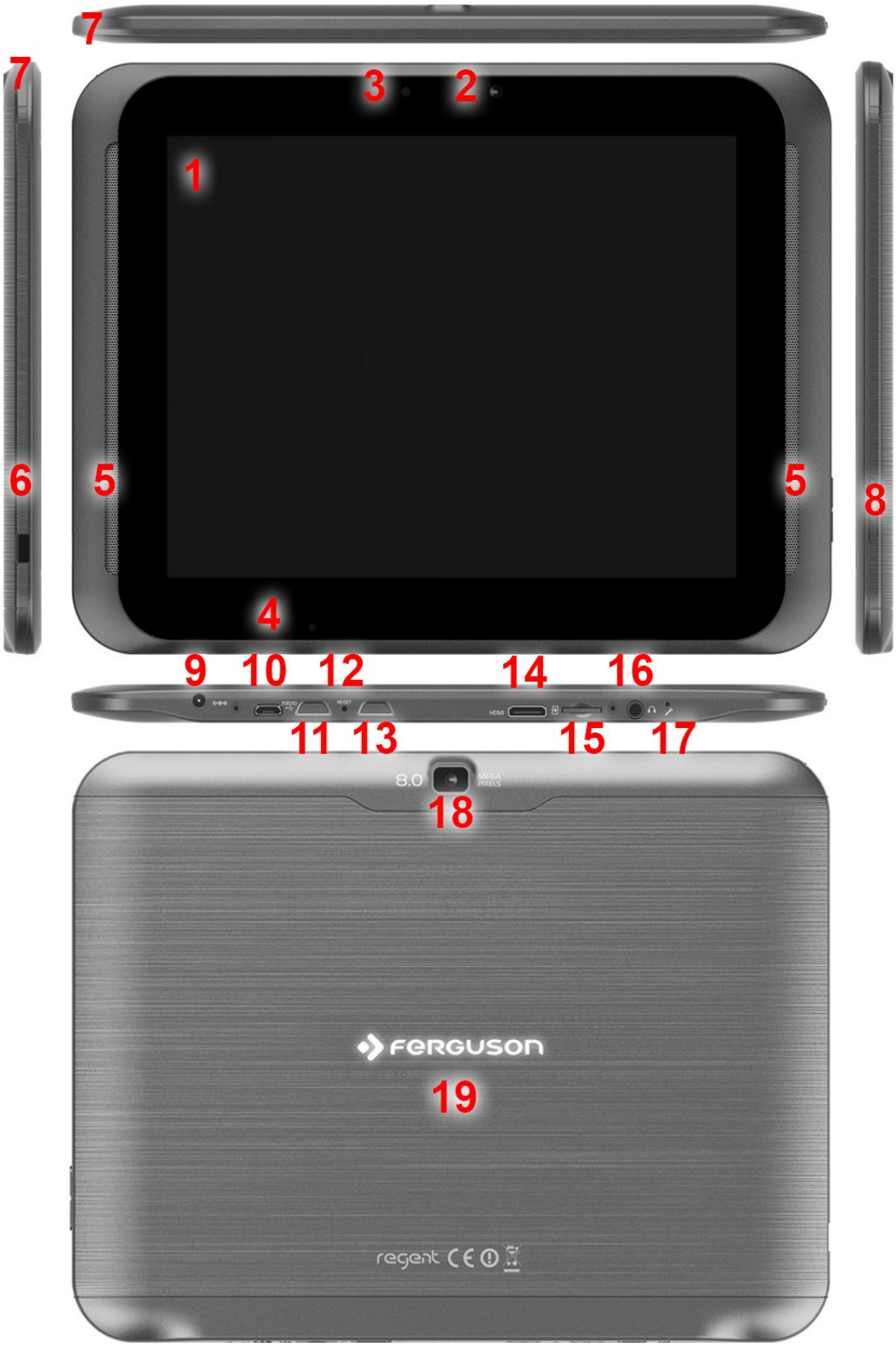

Figure 1

1. **touch screen**
2. **camera for video conferencing**

3. **light sensor**
4. **charging/battery full indicator**
5. **stereo speakers**
6. **infrared transmitter**
7. **DVB-T antenna** - slide if you want to watch TV (DVB-T)
8. **buttons quieter / louder**
9. **power connector**
10. **USB OTG 2.0 micro-B** – to connect PC, USB memory, 3G modem
11. **home button**
12. **reset** – restore factory defaults
13. **ON / OFF button -** wake / sleep tablet, press and hold to turn on / off
14. **HDMI type C - audio-video output to HD TV**
15. **microSDHC card slot**
16. **headphone jack**
17. **microphone**
18. **camera photo**
19. **illuminated Feguson logo**

Tablet operation

4. Tablet first use

The very first start-up may take a while, approximately 2-3 minutes. When you first power on your tablet (press button ON/OFF Figure 1 point 4), you will be presented the Android Lock Screen.

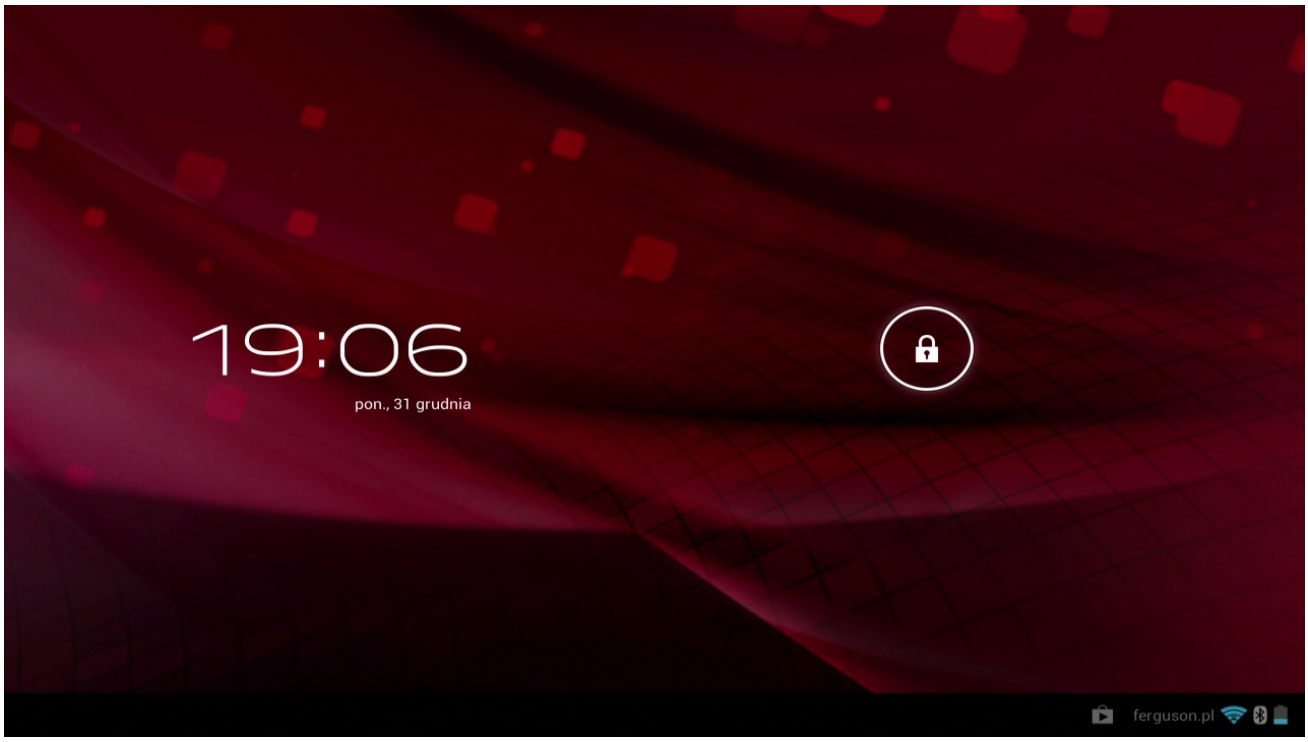

Figure 2

Slide the lock circle to the right (to open lock symbol) to unlock the tablet. You will then be taken to the Android Home Screen.

Figure 3

5. Basic operation of the Android operating system

Operating of the tablet is not much different from operating phones with a touch screen. Used a capacitive screen does not require the use of force, it can handle gently brushing the screen with your fingers. There is no need for a pen. To move items on the screen, change desktops, etc simply swipe your finger across the screen. Ferguson supports multi-touch so it is possible to zoom in and out with two fingers. In a similar manner, rotation is performed in applications that support it, such as maps.

Besides the on-screen buttons Ferguson also has buttons on the edge of the housing (quieter, lauder, home, and suspend / wake).

Usually there is no need to shut down the tablet. When tablet is not in use it automatically goes into sleep mode which takes a minimum amount of energy.

You can enter text by the virtual keyboard displayed on the screen. You can switch the input mode, upper-case characters, numbers or special characters.

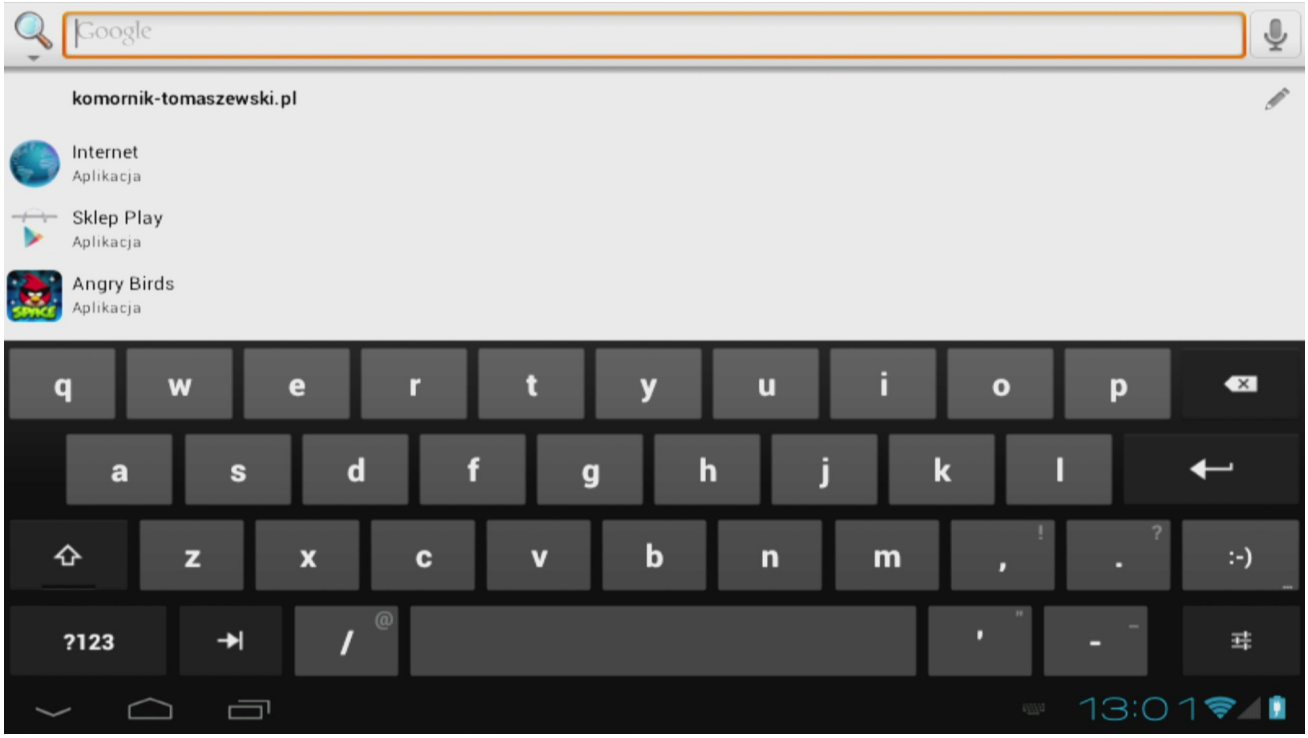

Figure 4

Hints about touching & typing

To select or activate something, touch it.

To type something, such as a name, password, or search terms, just touch where you want to type. A keyboard pops up that lets you type into the field.

Common gestures include:

- **Touch & hold**: Touch & hold an item on the screen by touching it and not lifting your finger until it responds.
- **Drag**: Touch & hold an item for a moment and then, without lifting your finger, move your finger on the screen until you reach the target position. For example, you can move apps around on the Home screen.
- **Swipe or slide**: Quickly move your finger across the surface of the screen, without pausing when you first touch (so you don’t drag something instead). For example, you can slide a Home screen left or right to view the other Home screens.

- **Double-tap**: Tap quickly twice on a webpage, map, or other screen to zoom. For example, double-tap a picture in Chrome to zoom in, and double-tap again to zoom out.
- **Pinch**: In some apps (such as Maps, Chrome, and Gallery), you can zoom in and out by placing two fingers on the screen at once and pinching them together (to zoom out) or spreading them apart (to zoom in).

Ferguson has a built-in accelerometer (G-sensor) that automatically changes the screen orientation to landscape or portrait. The accelerometer can also be used for other purposes such as to control the game.

NOTE: *Support for accelerometer and / or change the screen orientation depends on the application.*

5.1 Home screen elements

Figure 5

1. **Search**
2. **Voice commands**
3. **Widget** (analogue clock)
4. **Application and widget menu**
5. **Application shortcuts**

Status bar is always displayed at the bottom of the tablet screen. The status bar displays both system information, as well as function keys.

6. **Back button** – go to the previous screen or the previous web page while using the Internet browser
7. **Home button** – brings you back to the Android Home Screen

8. **Multitask button** – switch or close running applications
9. **Time**
10. **Wi-Fi signal indicator**
11. **Battery level indicator**

Other indicators that may appear at the bottom right of the screen, near the indicators 9, 10 and 11:

- new mail in the mailbox

- airplane mode

- USB connection

- sound muted

- downloading

- alarm setup

- other information

The home screen consists of five pages which can be accessed by swiping the home screen left/right.

When you click indicator 9, 10 or 11 tablet displays additional information such as the date, the name of the connected WiFi network, applications and system informations.

5.2 Applications switching

To see what apps are running in the background, you can access the multitasking view by pressing the multitask button (Figure 5 point 8).

Figure 6

Click on a running app in the multitask view to quickly switch to it. You can close running app by

long pressing on it and dragging it to the left.

5.3 Application menu

Press the app and widget button (Figure 5 point 4) in the top right corner of your home screen:

When the system displays the widgets, press "Apps" to view all installed apps.

Figure 7

Here you can find all the pre-installed programs or “apps” as well as additional apps that you installed. You can launch any app by just pressing the corresponding icon.

5.4 Adding widgets and shortcuts to your home screen

To add a widget, press the app and widget button (Figure 5 point 4) in the top right corner of your home screen. In the following screen, you can find all the installed apps and widgets, both separately viewable by pressing "Apps" or "Widgets" on top of the screen respectively.

Press "Widgets" to view all available widgets. When showing all widgets, you can swipe the screen to browse to the next page (if available).

Press and hold the desired widget to have the home screen show up and release the widget to any empty place on the home screen.

To add a shortcut to any app, press the app and widget button (Figure 5 point 4) in the top right corner of your home screen. In the following screen, you can find all the installed apps and widgets, both separately viewable by pressing "Apps" or "Widgets" on top of the screen respectively.

Press "Apps" to view all installed apps.

Press and hold the desired app to have the home screen show up and release the shortcut to any empty place on the home screen.

Figure 8

To remove widgets and/or app shortcuts from your home screen, press and hold them and drag them to the trash icon.

5.5 WiFi configuration

Press the Settings icon in the home menu or application menu to enter the settings menu. In the settings menu you can find the options to set up your tablet.

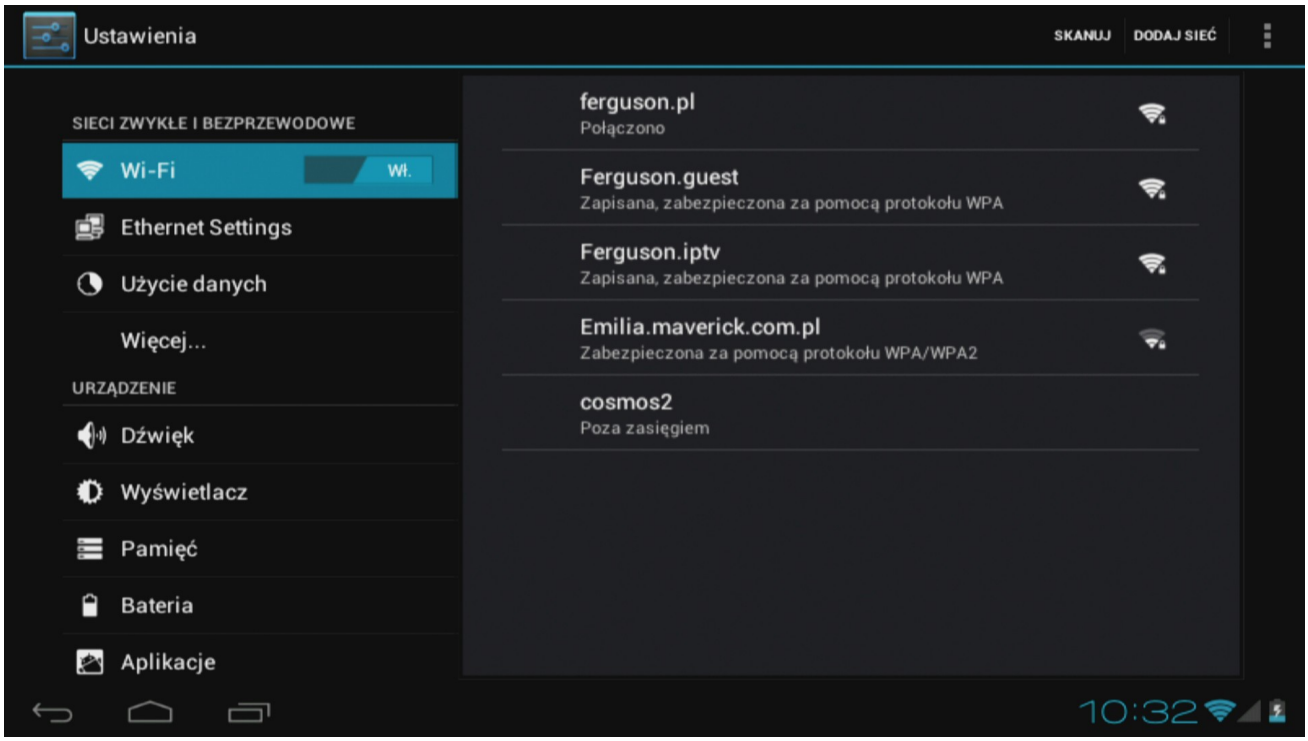

Figure 9

Set up a connection with a wireless Wi-Fi network. Slide the On/Off button to "On" to activate Wi-Fi.

The available Wi-Fi networks appear in the network list at the right screen. Tap the network of your choice. If the network is secured, you're prompted to enter the network security key.

Press the "Connect" button and the tablet will connect to the network.

Once "Connected" appears underneath the network name and the wireless reception icon is shown in the bottom status bar, you're successfully connected to the wireless network.

5.6 Basic applications

Ferguson tablet comes with pre-installed applications. Below is a brief description of the most important of these applications:

- **Internet** - The web-browser for viewing web sites.
- **DVB-T** – software to watch free TV DVB-T
- **Settings** - The menu to set up your tablet.
- **File Manager** - File Explorer to browse/open the folders and documents on your tablet
- **Play** – application store with free and paid apps
- **Calendar** - Calendar app for making and viewing appointments
- **E-mail** - Email client for sending and receiving email
- **MX player** – multimedia file player
- **PolskaStacja.pl Player** – internet radio
- **vCommunicator** – instant messenger (gg and tlen)
- **Program TV** – telecast
- **Ariva Remote** – remote control of Ferguson Ariva STBs
- **Ariva IR Remote** – remote control of Ferguson STBs over build-in IR transmitter
- **DVB-T finder** – application support terrestrial antenna set
- **Barcode Scanner** – QR code reader
- **Fast notepad** – simple notepad
- **Transportoid** - Public transport timetables
- **Mobile Document Viewer** – Office documents viewer
- **Mobile PDF Viewer** - PDF file viewer
- **FBreader** - e-book reader

NOTE:

- These applications are provided by third parties and Ferguson is not responsible for their proper operation. If you encounter a problem, please report it to us (we will do our best to correct it with application developer) or directly to the application developer.

- Preinstalled default applications (like e.g. the calculator) cannot be uninstalled.

5.7 Connecting tablet to a computer

You can connect your tablet to a PC or Mac using the provided USB cable.

When connected to a computer, you can access the tablet internal memory and, if present, an inserted microSDHC card as standard USB Mass Storage Device.

Connect the USB cable to the USB port of your tablet and to a free USB port on your computer. In the bottom right of your tablet's screen, „USB connected” message will appear shortly after.

The following screen will appear:

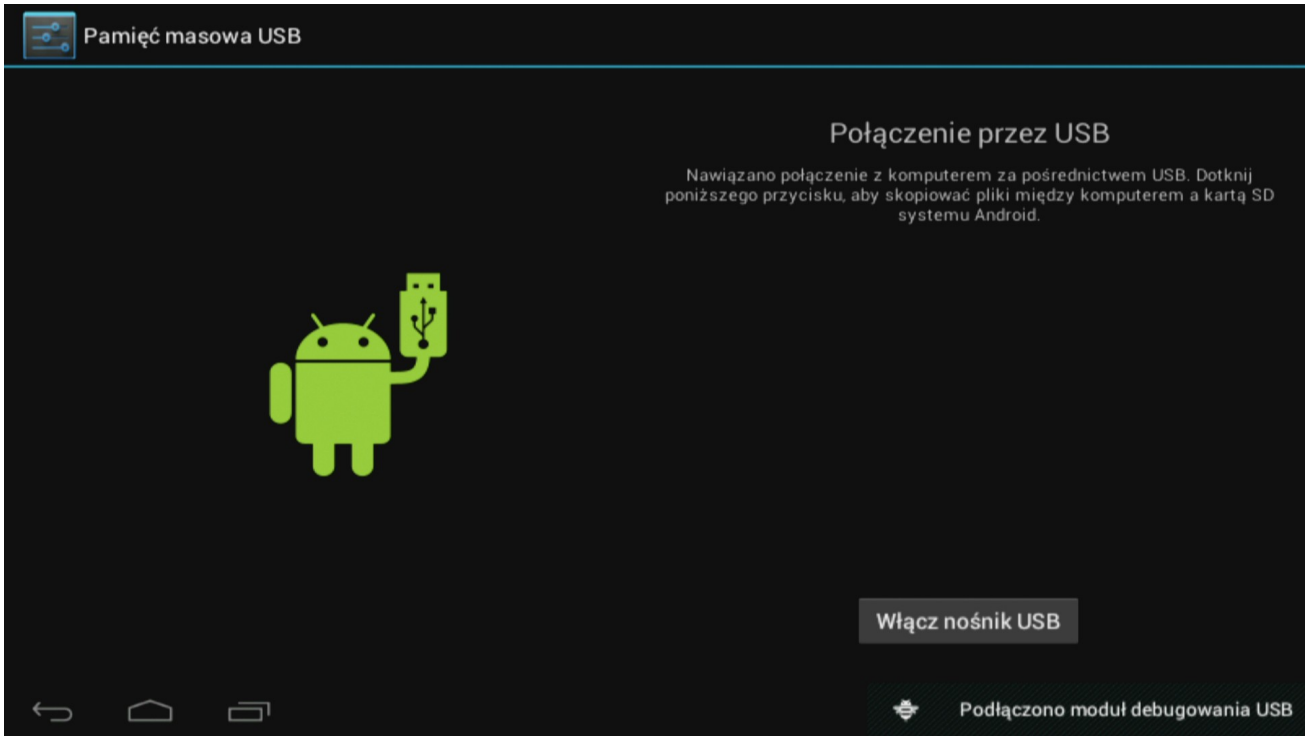
Pamięć masowa USB
Połączenie przez USB
Nawiązano połączenie z komputerem za pośrednictwem USB. Dotknij poniższego przycisku, aby skopiować pliki między komputerem a kartą SD systemu Android.
Włącz nośnik USB
Podłączono moduł debugowania USB

Figure 10

Click on the button "Turn on USB storage". A notification window will appear, where you should press OK.

The internal memory of your tablet will now appear as mass storage drive in your computer's file system, and can be used e.g. to copy files from and to your tablet.

If you have a microSDHC card in your tablet, the card will be recognized by the computer as a second mass storage drive.

To stop using the mass storage device function, click on the "Turn off USB storage" button and remove the USB cable.

NOTE:

There are no hardware drivers needed to access the tablet’s memory. In the case your computer prompts for any driver installation, you can simply ignore it.

6. Watch TV DVB-T

Reception of digital terrestrial television, depends on many factors including terrain, height of surrounding buildings, etc. For proper reception of TV channels is necessary to get the right signal strength, that's why reception in the rooms or areas with a weak signal may be permanently or temporarily unavailable.

To watch digital terrestrial television press DVB-T icon (on the desktop or in the application menu).

After first start (of DVB-T application) start the channel search. Tablet search for channels automatically according to a predefined list of DVB-T frequencies.

NOTE:

DVB-T signal reception depends on the local conditions. If you are having problems receiving an application, please use the DVB-T finder to determine the direction of the nearest transmitter. While there is large distance to the transmitter DVB-T and / or reception conditions are difficult it may be not possible to get correct video.

7 Connect the tablet to a TV

Ferguson Tablet can connect to HD TV via

- HDMI cable (type C) – HDMI (type A)

or

- HDMI (type C) – HDMI (type A) adapter and standard HDMI (type A) cable

These accessories are not included with the tablet!

NOTE: In menu „*Settings*" > „*HDMI*" you can turn on/off screen clone mode
When you connected non-standard device (eg a computer monitor, a TV with DVI) and there is no image, you can try change following settings:
- In menu „*Aplication*" > „HDMISwitch" you can change resolution on HDMI output

8 Factory reset
You can restore tablet to the factory state. Press in menu „*Settings*" > „*Backup & reset*" option „*Factory data reset*"

NOTE: *Restoring the factory default settings will erase all stored settings, user accounts and install by user applications.*

9 Firmware Upgrade by SDHC card
The latest firmware is available on the manufacturer's website. Unpack and copy to SDHC card (in the tablet) the downloaded file. Then, proceed exactly as described in the accompanying software update instruction.

NOTE:

Please keep in mind that new software may change the functionality of the tablet. Photographs and descriptions included in the instruction manual are for informational purposes only. If you should notice an error, please report it - we shall make every effort to have it rectified.

10 Playing Media
Tablet has applications to support various media. Supported extensions, containers and codecs depends on the application. If current application can not handle a specific file, try another application. You can download it for example from the Google Play.

11 Charging the battery
Before first use the tablet it may be necessary to recharge the battery. Connect the tablet to the charger, plug the charger into an electrical socket.

NOTE:

- The charging time is about 4 hours.
- If you use the device while it is charging, the charging process will take longer.
- When charging is complete, or to stop charging, disconnect the cable from the device.
- Tablet can also be charged from the USB port. Charging via USB is a much longer.

Glossary of terms

Android operating system for mobile devices such as mobile phones, smartphones and tablets. Android is based on Linux kernel and the GNU software. Android associates the large community of developers writing applications that extend the functionality of the devices. Hundreds of thousands of applications are now available for Android operating system by Google Play platform (formerly known as Android Market).

DVB-T the Digital Video Broadcasting standard that defines modulation and error correction in terrestrial transmissions. MPEG-2 is used as the transport stream.

E-book (also: eBook or electronic publication), e-book - the content stored in electronic form, intended to be read with the appropriate software installed on your computer or tablet.

EPG - Electronic Programme Guide – a service that displays detailed information about current and future programmes on the television screen.

FTA - Free-to-air – unencoded radio and television channels that may be received on any television set.

Google Play – Google's online store music, videos, eBooks and applications designed for devices running Android operating system. Google Play is the result of transformation of Google Music and Android Market in the unified service.

HD (High Definition) - Used to describe video content that is in one of the high definition video formats. These are broadly 720i/p and 1080i/p. The 720 or 1080 refers to the number of horizontal lines used to define the picture and the "i" and "p" refer to "interlaced" or "progressive scan". Ordinary, "SD / Standard Definition" TV used 576 lines (PAL standard).

Aspect ratio: The ratio of vertical and horizontal sizes of a displayed image. The horizontal vs. vertical ratio of conventional TVs is 4:3, and that of widescreens is 16:9.

JPEG: A very common digital still picture format. A still-picture data compression system proposed by the Joint Photographic Expert Group, which features small decrease in image quality in spite of its high compression ratio.

XviD: MPEG-4 based video compression technology, that can shrink digital video to sizes small enough to be transported over the internet, while maintaining high visual quality.

H.264: is a next-generation video compression format. H.264 is also known as MPEG-4 AVC. Developed for use in high definition systems such as HDTV, Blu-ray as well as low resolution portable devices, H.264 offers better quality at lower file sizes than both MPEG-2 and MPEG-4 ASP (DivX or XviD). H.264 is sometimes referred (erroneously) as x264 – x264 is the name of a popular freeware encoder for the H.264 format. H.264 is also sometimes referred to as MP4, again this is technically incorrect. MP4 is a container format much like AVI or MKV and it can be used to "house" many different types of compression codecs, not just H.264.

Container. The multimedia container file is used to identify and interleave different data types. Simpler container formats can contain different types of audio codecs, while more advanced container formats can support multiple audio and video streams, subtitles, chapter-information, and meta-data (tags) — along with the synchronization information needed to play back the various streams together. There are many container formats, such as AVI, Matroska (MKV), MOV, MP4, OGM, WAV, etc.

Specification

Main features	
screen	capacitive, multitouch resolution 1024x768 XGA 8'' IPS
processor	Dwurdzeniowy AMLogic AML8726-MX Cortex A9 1.5GHz ARMv7 Processor (VFPv3, NEON)
SDRAM memory	1024 MiB DDR3
Android	4.1 JellyBean preinstalled
TV receiver	DVB-T HD
2D/3D	Mali-400 MP2 acceleration OpenGL ES 2.0
internal storage	8GB Nand flash
WiFi	IEEE 802.11 b/g/n
Blutooth	yes
light sensor	yes
cameras	front 2Mpix, back 8Mpix AF
G-Sensor	yes
infra-red	transmitter
speaker	stereo front
battery	5000 mAh Li-Polymer
Connectors	
USB	USB OTG 2.0 micro-B
SDHC	micro SDHC, 32GB max
HDMI	upto 1080p, type C
Earphones connector	3.5mm
Physical characteristics	
dimension	206 x 151 x 11 mm
net weight	~400g
Environment	
input voltage (AC adapter)	AC 100-240V~ 50Hz/60Hz 0.7A
consumption (during AC adapter loading)	Max 10 W
temperature	0~40
humidity	<95%

Help

Newest firmware, manuals and other materials are available on:
www.ferguson-digital.eu > "Download"

FAQ:
www.ferguson-digital.eu > "FAQ"

Technical support:
www.ferguson-digital.eu > "Technical Support"

www.ferguson-digital.eu